

## MAJOR DUTIES

Incumbent is assigned as a Third Mate aboard a seagoing, automated hopper dredge engaged in the maintenance and improvement of harbors and channels; and is responsible for the navigation, movement, speed and safety of the vessel, for the crew during assigned bridge watches, and for the control of dredging operations and equipment during assigned dredging control watches. In the absence of the Second Mate, or for training purposes, assumes the duties of that position.

1. Stands regularly assigned dredge control officer watches, performing dredging operations in accordance with plans, specifications and instructions from the Master or other deck officer. Operates controls involving the dredging and dumping functions. Observes gauges and adjusts controls to insure optimum loads. Coordinates the dredging and dumping functions with the Mate on the bridge watch. Is cognizant of sidewise set of vessel due to the combined effects of wind, current, and sea conditions and raises drags when necessary to prevent binding and breakage of pipe against side of dredge. Coordinates dredging activities with the navigation, movement, and speed of the vessel. Records dredging production information and makes entries on multiple load data sheets. Checks maintenance on all dredging equipment during watch.
2. Stands regularly assigned bridge watches with duties consisting of complete navigation and control of the vessel; steering or supervision of steering; controlling propulsion and variable pitch propeller systems; operating pilot house navigation, safety and emergency equipment; and supervising of the dredging function. Maintains bridge log during watches and records movement of vessel, weather, tide, sea conditions, and other events and activities. Gives signals as prescribed by International and Inland Rules of the Road.
3. Assists First and Second Mates in the accomplishment of repairs and performance of general maintenance work by the deck department. Is responsible for the care of deck and superstructure; the handling of hawsers and mooring lines; loading and unloading of stores and supplies; and the cleanliness and sanitation of the dredge. Has charge of one or more lifeboats and/or life rafts.

Performs other duties as assigned.

## SKILLS AND KNOWLEDGES

Must possess U. S. Coast Guard unlimited license for Third Mate, Ocean and for Second Mate when acting in that capacity. In addition to the Nautical Rules of the Road, the most fully utilized licensed functional areas are piloting, seamanship with heavy emphasis on shiphandling, and tides and currents. Must possess the ability to understand the principles of operation of automated winches and related mechanical systems. Must be capable of being trained in the operation, troubleshooting, and repair of electronic-mechanical systems.

## RESPONSIBILITY

Works under general supervision from oral and written instructions. Performs duties in accordance with established practices and pertinent regulations. Regulatory controls consist of U. S. Coast Guard rules and regulations, and District policy and operating procedures. Responsible for navigation and dredging during watch. Exercises care not to damage dredge. Work is spot checked by observation of vessel operations and review of dredging reports. Responsible for changing operating orders (within limits established by Master) to conform to conditions brought about by unforeseen changes in weather and tide conditions. Overall performance is evaluated in terms of performance appraisal standards established by the supervisor.

#### WORKING CONDITIONS

Spends most of the time in the pilothouse. Occasionally goes outside in all kinds of weather to attend certain duties, being exposed to the elements and subject to slipping on wet decks. Danger of drowning exists in case of accident.

#### PHYSICAL EFFORT

Light effort is required for continuous standing and operating of various controls while on watch. Incumbent must have color and depth perception and be able to see in low visibility condition in order to navigate a dredge. Incumbent is required to exert moderate to heavy physical effort when required to assist with the loading and unloading of stores and other items.